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APPLICANT:

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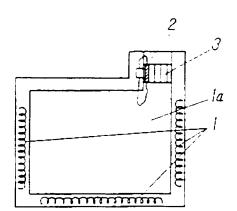
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TITLE

OVEN



ABSTRACT :

PURPOSE: To save energy by providing exhaust gas purifying catalyst with a built-in temperature sensor in an exhaust line connected to the inside of oven and using specific substance as catalyst carrier and catalyst.

CONSTITUTION: An exhaust gas purifying catalyst 3 equipped with a temperature sensor is provided close to an exhaust vent of an over with an electric heater 1 to heat up the inside 1a. A catalyst 3 consists of a honeycomb molded carrier constituted with inorganic heat-resistant material such as cordierite or the like carrying Perovskite type composite oxide such as La_{0.9}Ce_{0.1}CoO₃ and a solid electrolyte for sensing temperature connected to a temperature sensing circuit with lead. Oil adhered to the inside of oven is evaporated, decomposed into CO2 and H2O with catalyst, and senses the completing time of dry baking from lowering temperature of catalyst.

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